

Figure 1: Metered Injection Pumping System for adding catalyst to fuels

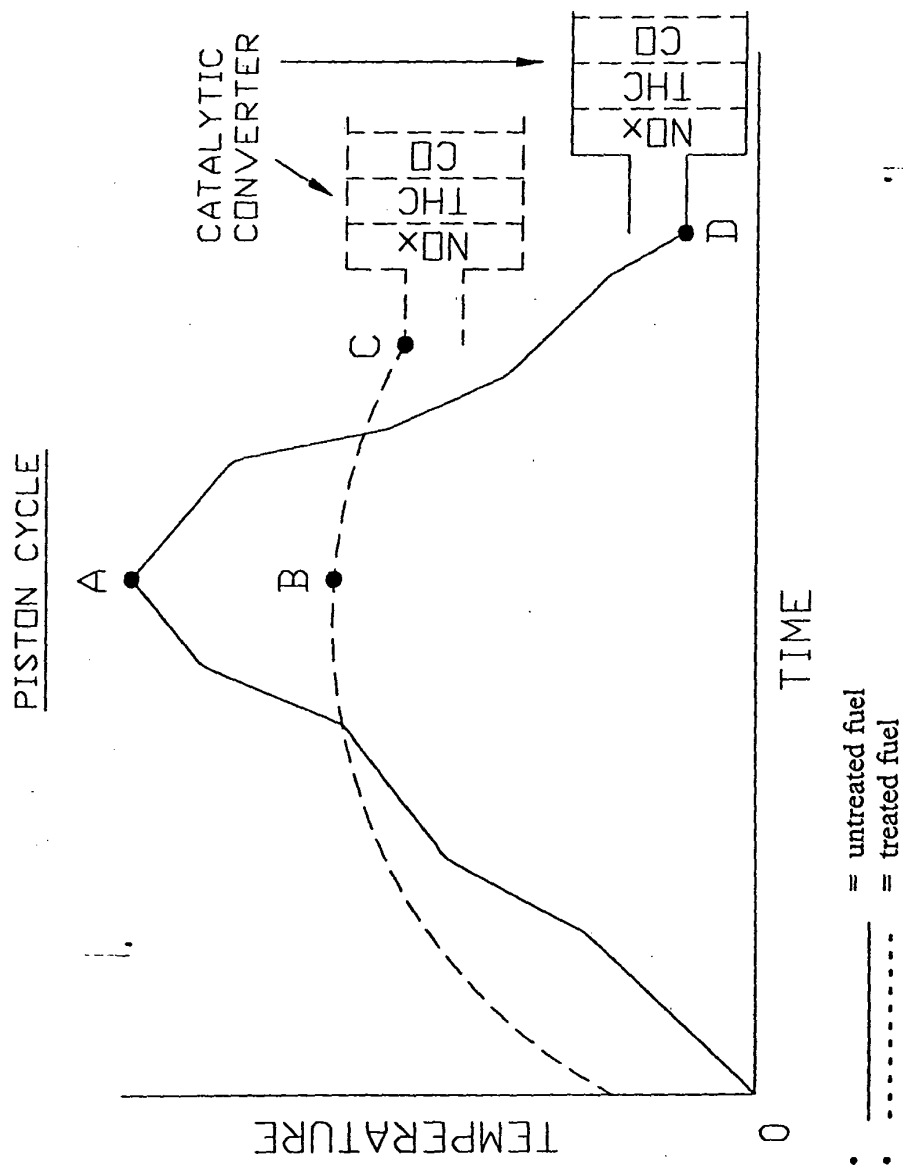


Figure 2: Hypothetical temperature versus time curve for the piston cycle of a gasoline-powered engine operating on untreated fuel and fuel treated with the OR-1 additive

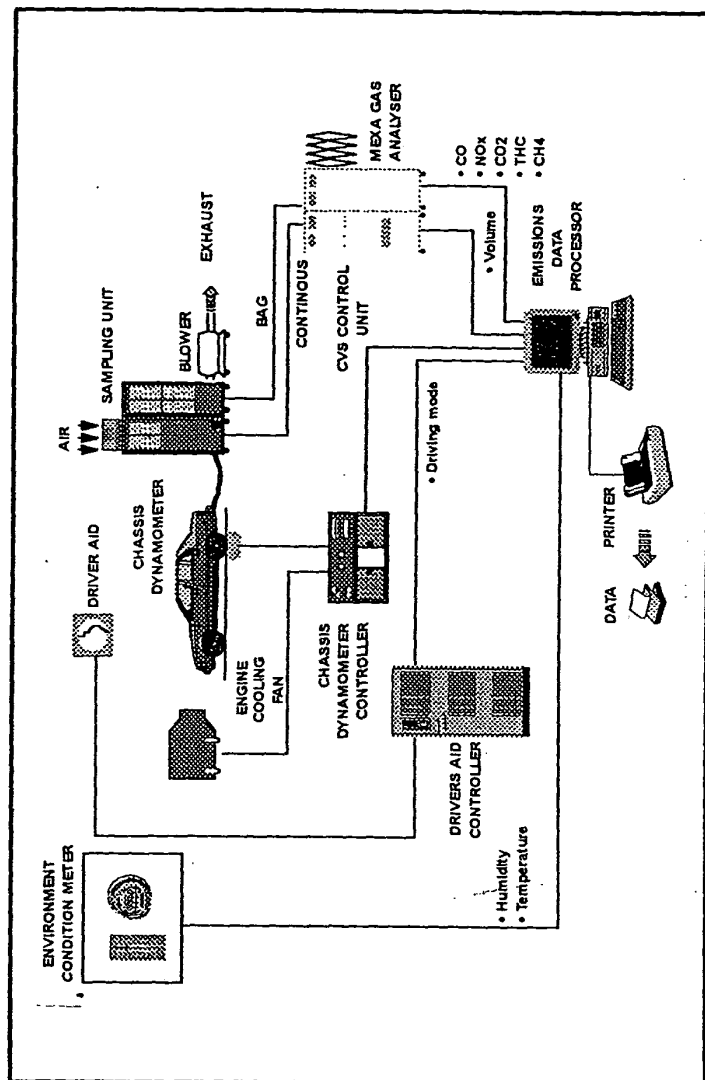


Figure 3: Schematic illustrating the layout of the Vehicle Emissions Testing Laboratory located in Section 27, Selangor Darul Ehsan, Shah Alam, Malaysia

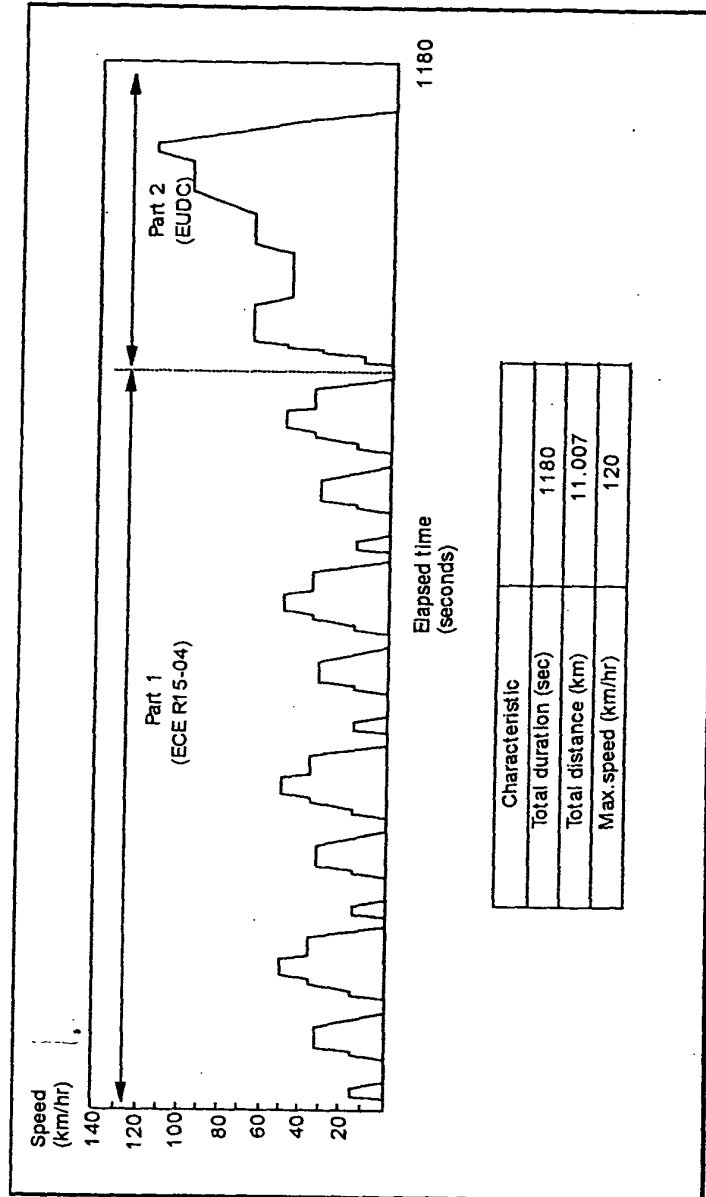
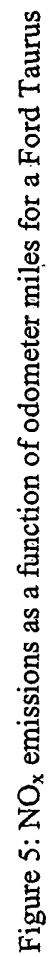


Figure 4: Diagram illustrating the European Emissions Standard ECE R15-04 plus EUDC Emissions Test Cycle



CO EMISSIONS AS A FUNCTION OF ODOMETER MILES FOR A FORD TAURUS

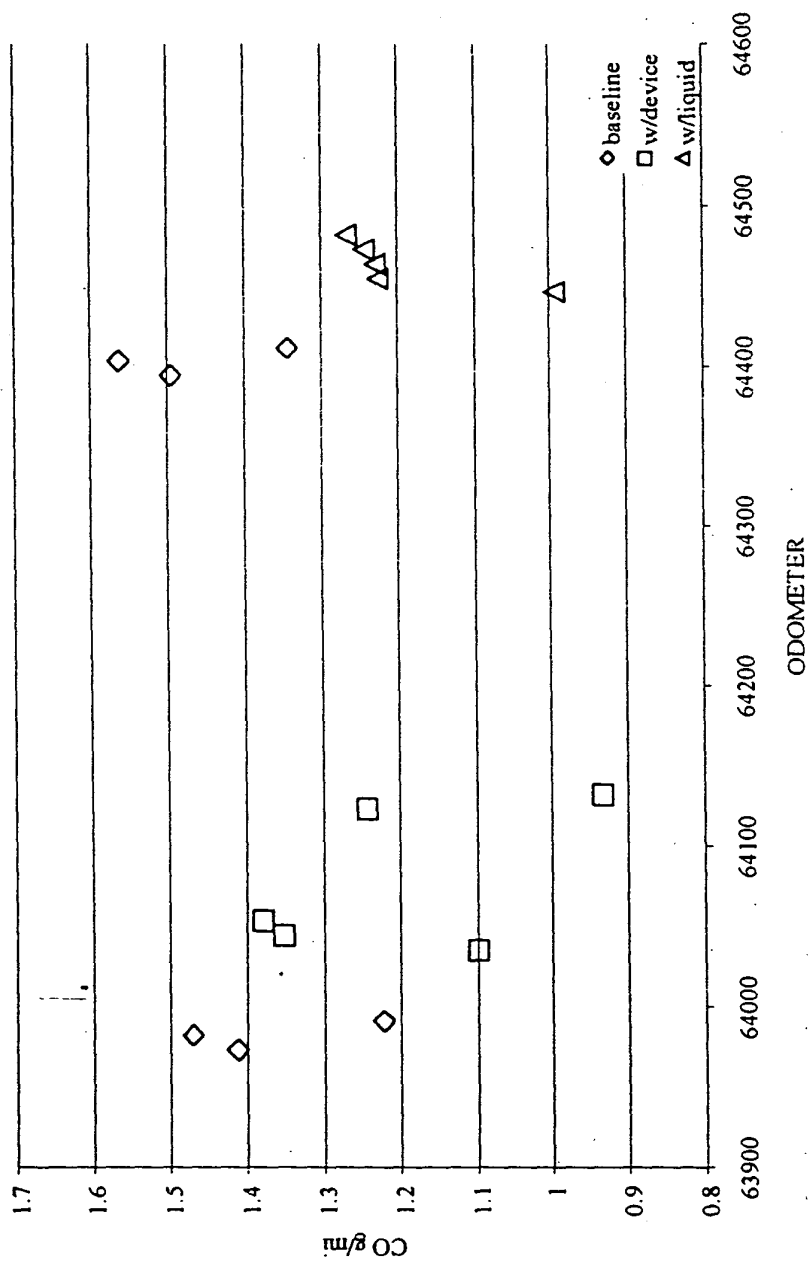


Figure 6: CO emissions as a function of odometer miles for a Ford Taurus

63900 64000 64100 64200 64300 64400 64500 64600

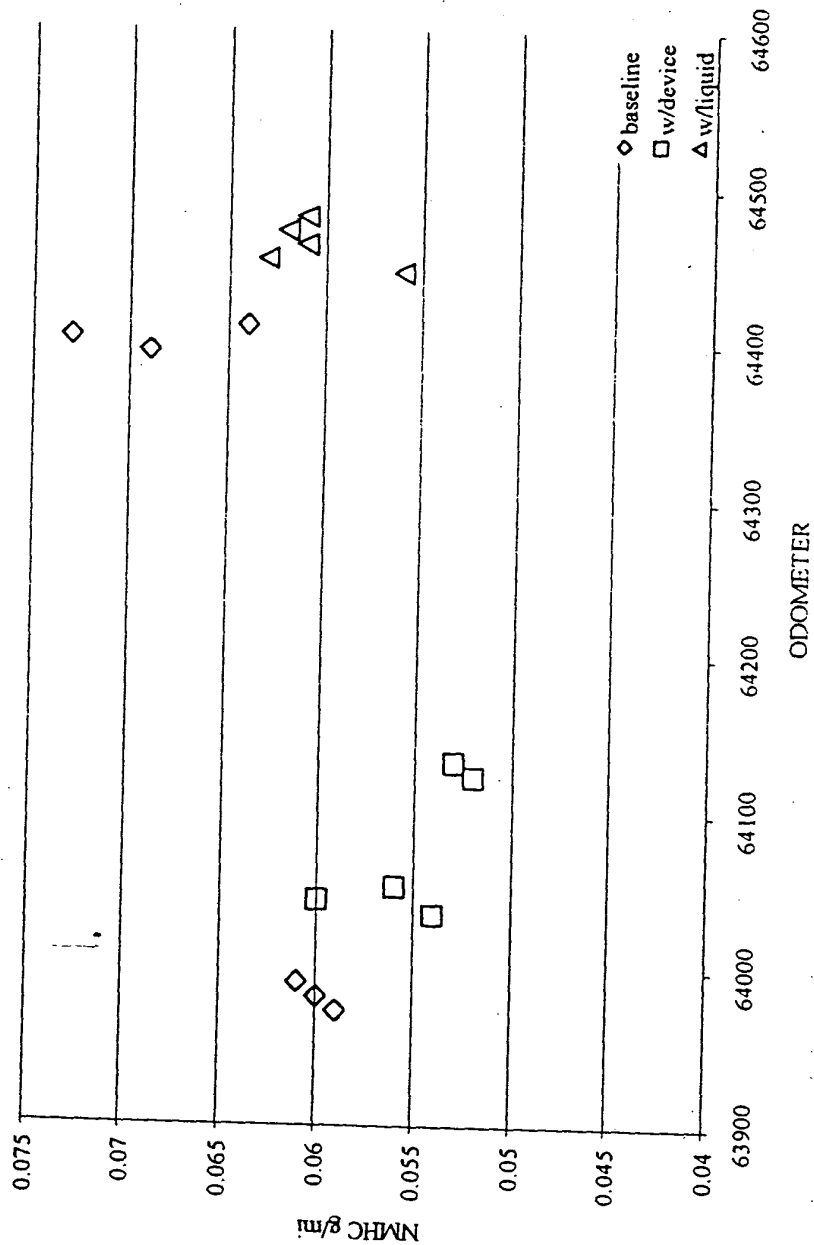


Figure 7: NMHC emissions as a function of odometer miles for a Ford Taurus





2020-2021-2022

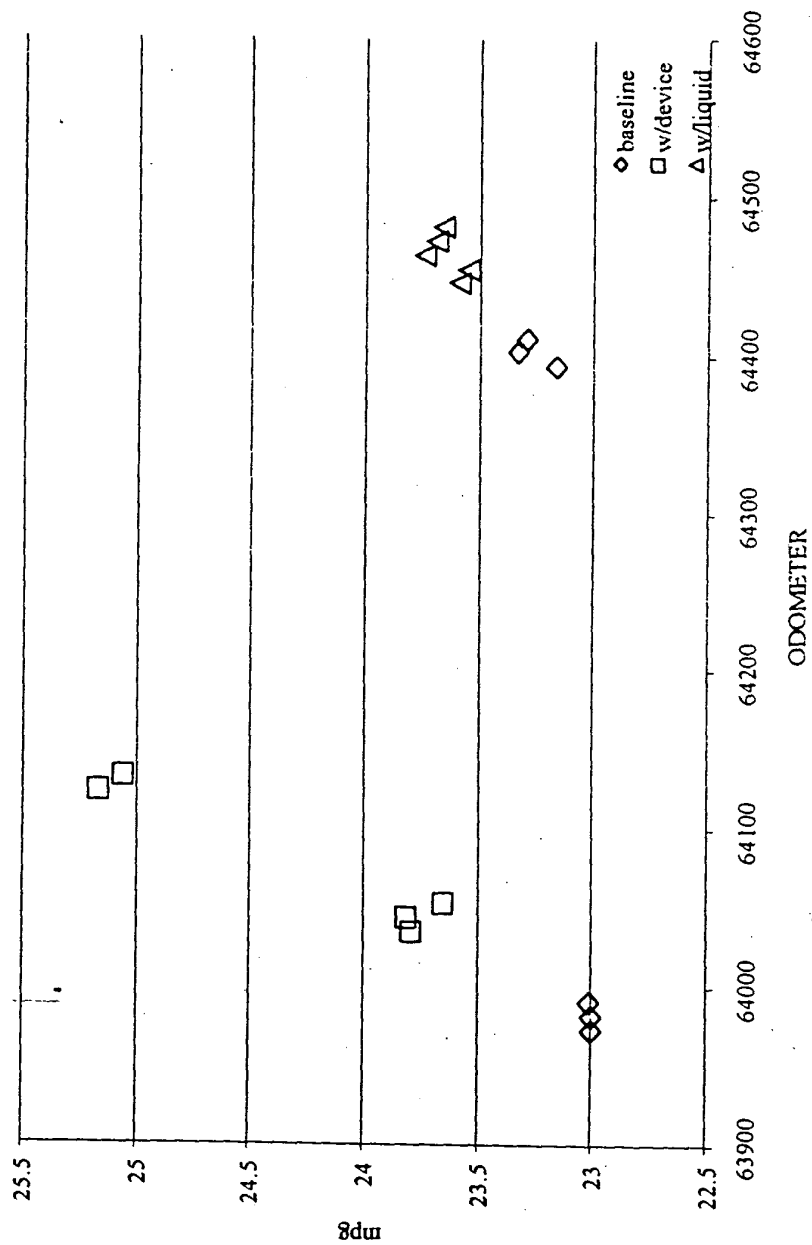


Figure 9: MPG fuel economy as a function of odometer miles for a Ford Taurus

NOX GPM

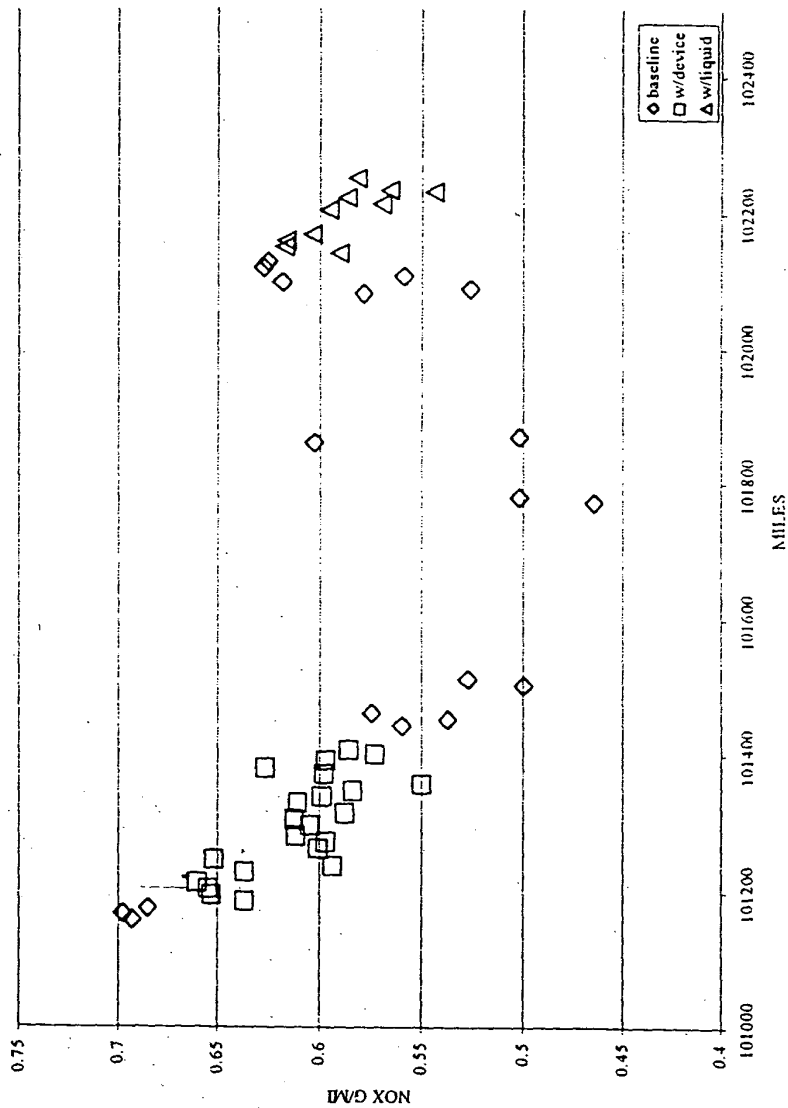


Figure 10: NO<sub>x</sub> emissions as a function of odometer miles for a Honda Accord

100900 101100 101300 101500 101700 101900 102100 102300 102500  
 ODOMETER

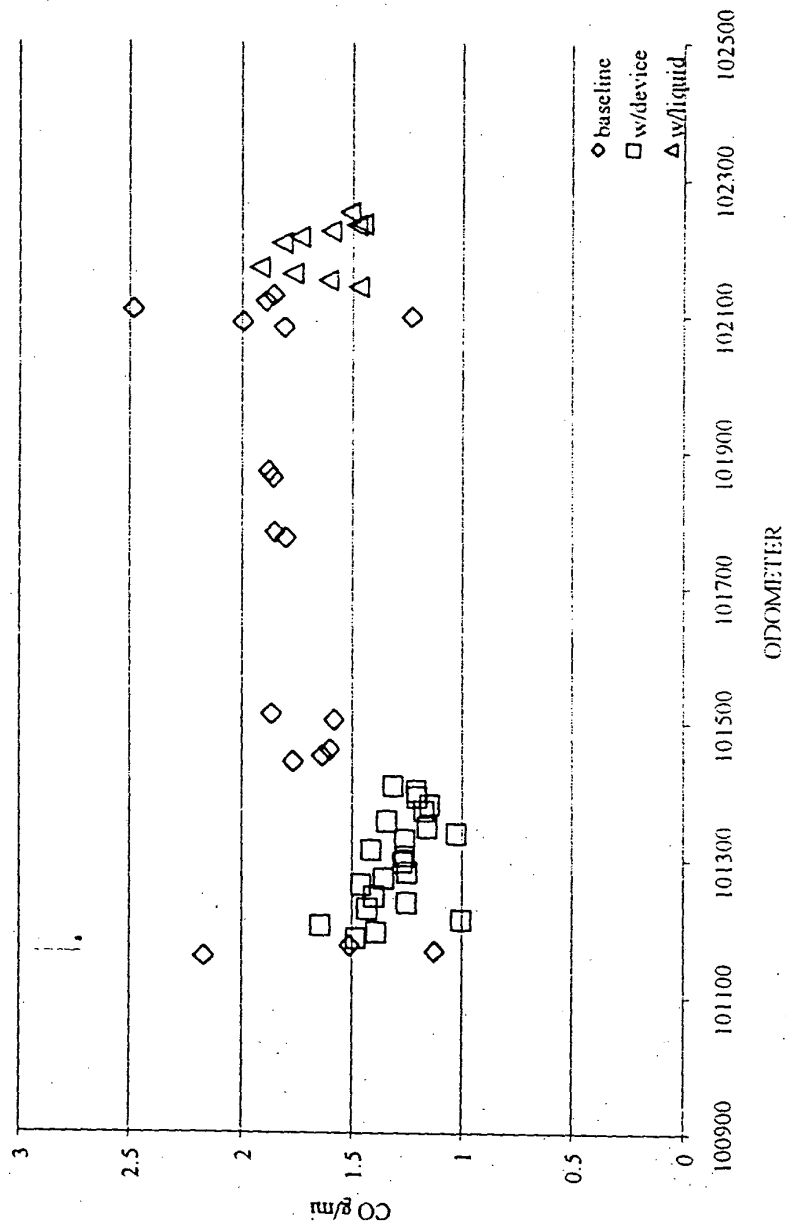


Figure 11: CO emissions as a function of odometer miles for a Honda Accord



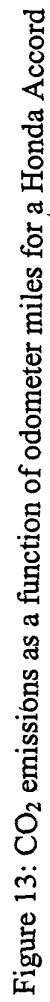


Figure 13: CO<sub>2</sub> emissions as a function of odometer miles for a Honda Accord

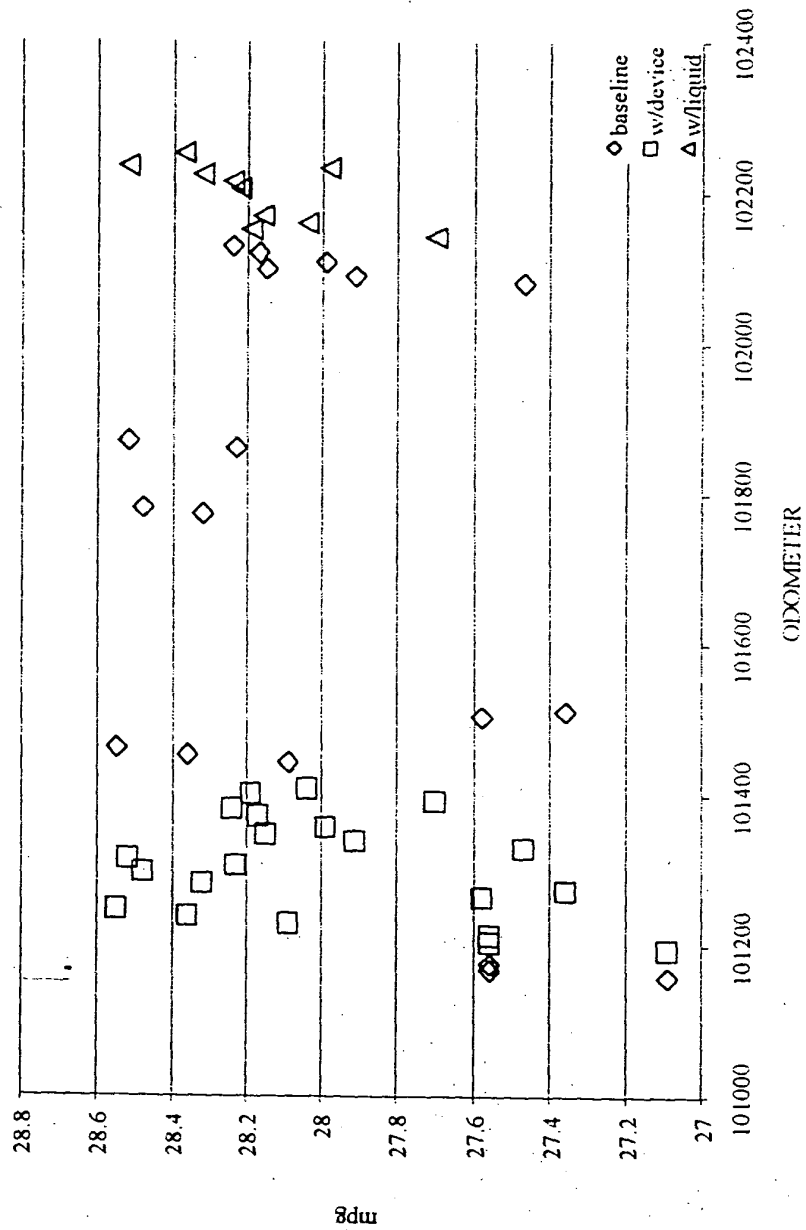


Figure 14: MPG fuel economy as a function of odometer miles for a Honda Accord

Shewhart Control Chart for NO<sub>x</sub> in the Honda Accord with the first three baselines excluded

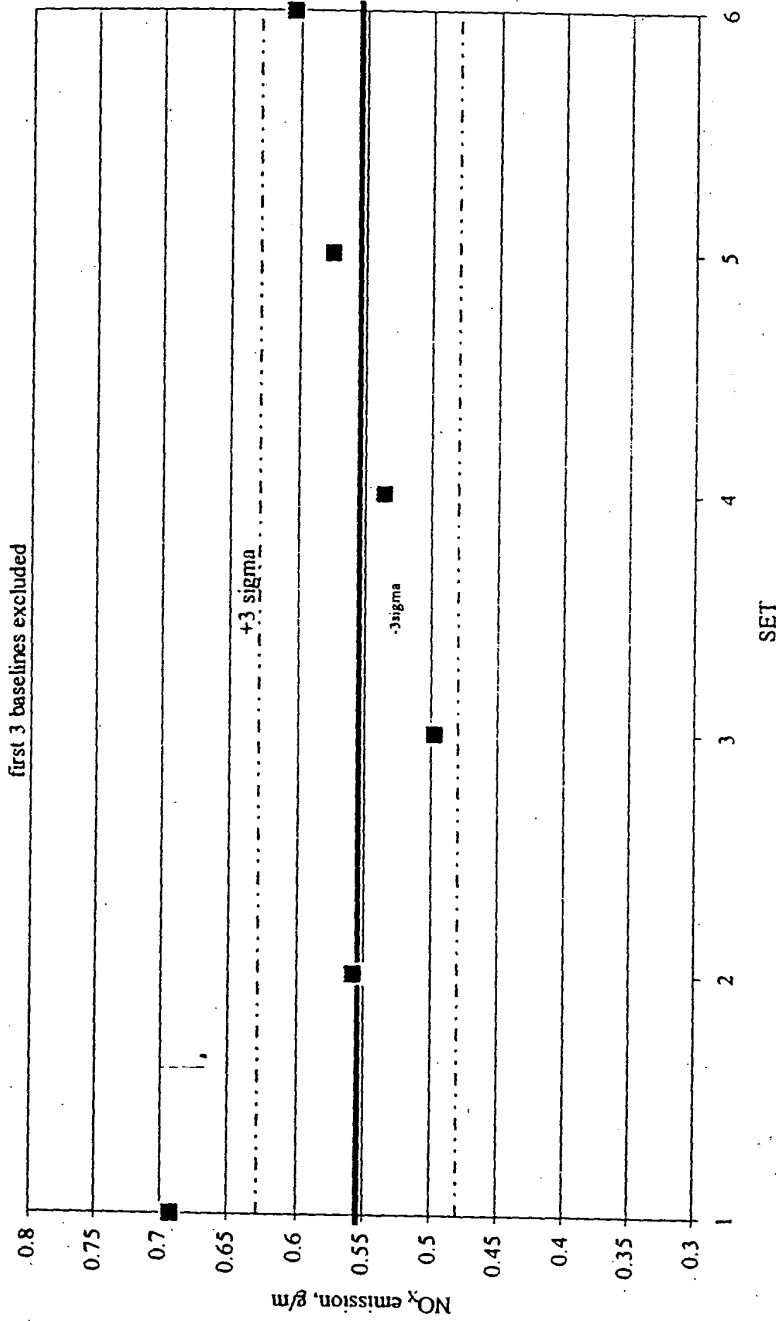


Figure 15: Shewhart Control Plot for NO<sub>x</sub> in the Honda Accord with the first three baselines excluded

CO emission, g/mi

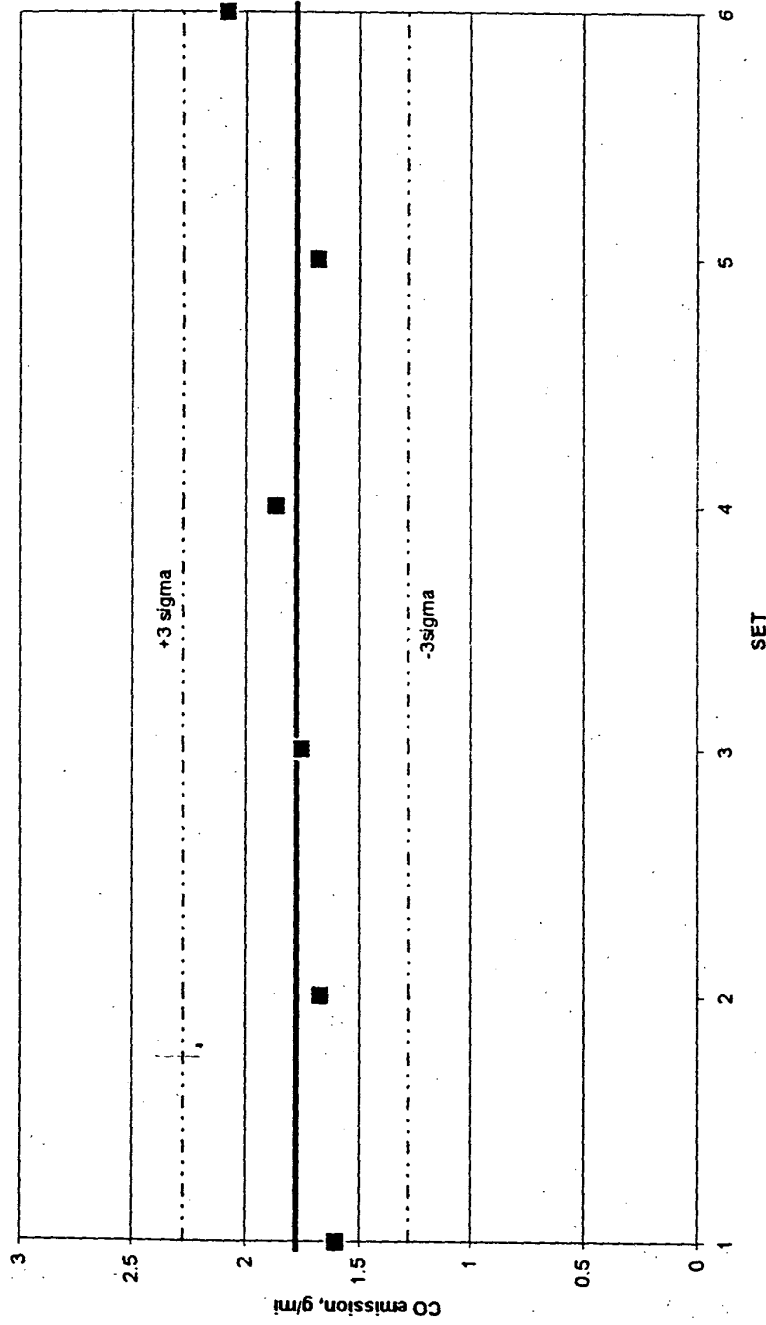


Figure 16: Shewhart Control Plot for CO in the Honda Accord with the first three baselines excluded



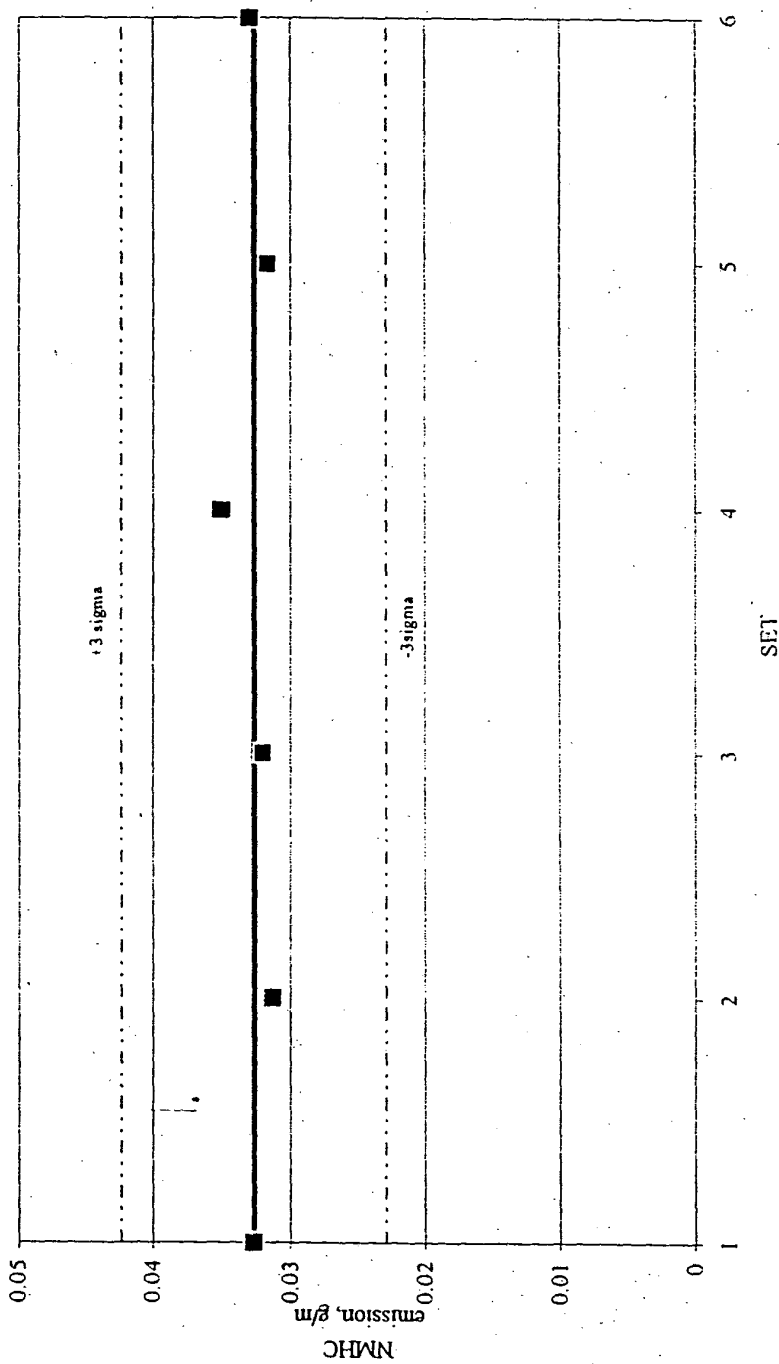


Figure 17: Shewhart Control Plot for NMHC in the Honda Accord with the first three baselines excluded

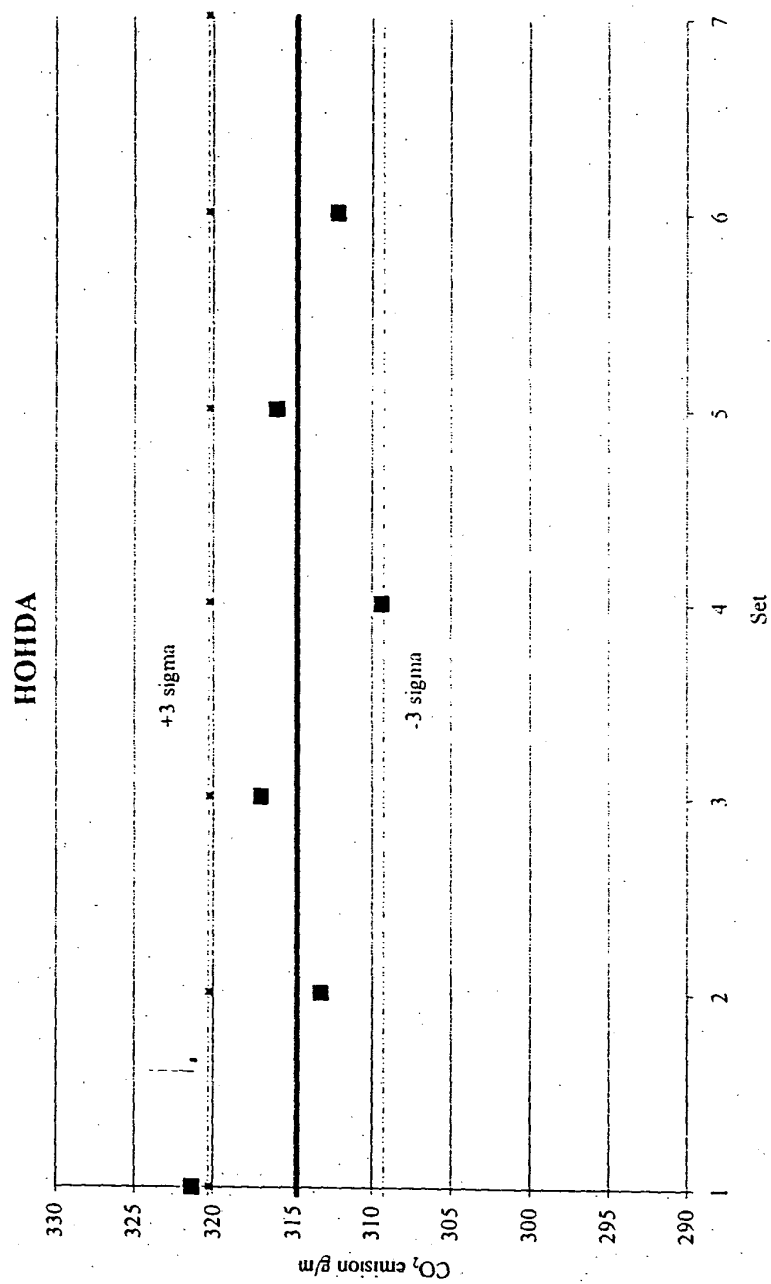


Figure 18: Shewhart Control Plot for CO<sub>2</sub> in the Honda Accord with the first three baselines excluded

2000 Honda Accord

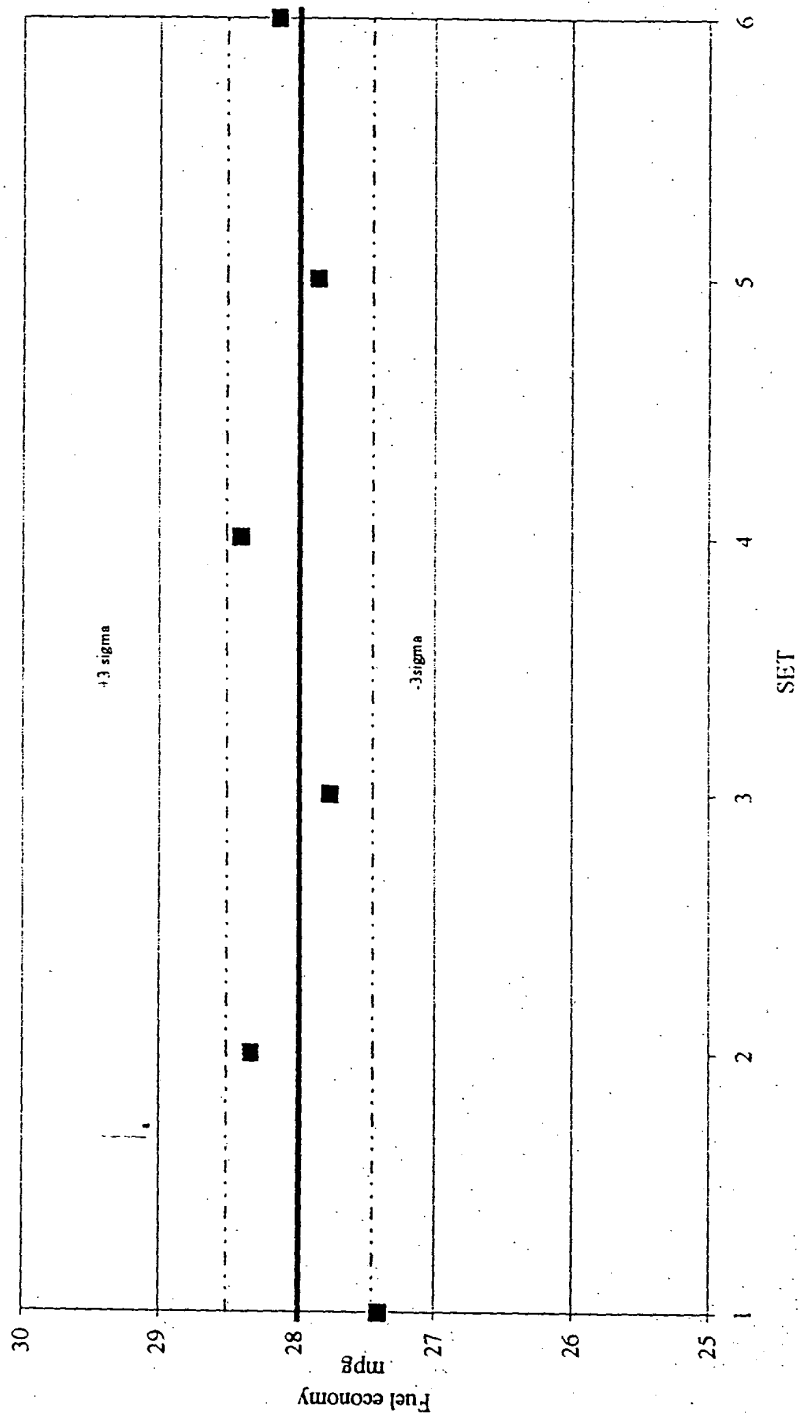


Figure 19 : Shewhart Control Plot for mpg fuel economy in the Honda Accord with the first three baselines excluded

